

Electronic Acknowledgement Receipt

EFS ID:	2088054
Application Number:	10814113
International Application Number:	
Confirmation Number:	5163
Title of Invention:	MULTIPLE ANTENNA SYSTEMS AND METHODS USING HIGH-THROUGHPUT SPACE-FREQUENCY BLOCK CODES
First Named Inventor/Applicant Name:	Lei Shao
Customer Number:	21186
Filer:	Joseph P. Mehrle/Anne Richards
Filer Authorized By:	Joseph P. Mehrle
Attorney Docket Number:	884.B52US1
Receipt Date:	15-AUG-2007
Filing Date:	30-MAR-2004
Time Stamp:	18:18:34
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment was successfully received in RAM	\$180
RAM confirmation Number	3781
Deposit Account	190743

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 and 1.17

File Listing:

Document Number	Document Description	File Name	File Size(Bytes) /Message Digest	Multi Part /.zip	Pages (if appl.)				
1		b52sidsSIGNED.pdf	598219 0d2c5b776dab464c2a63df6296c90b43 6e90e55a	yes	4				
Multipart Description/PDF files in .zip description									
Document Description		Start		End					
Miscellaneous Incoming Letter		1		1					
Information Disclosure Statement (IDS) Filed		2		4					
Warnings:									
Information:									
2	NPL Documents	B52alamouti.pdf	181138 53f317ed239b393ed8879a280b7e92a9 d5372229	no	8				
Warnings:									
Information:									
3	NPL Documents	b52Tarokh.pdf	548528 d41f62dd3819b314fc89ab9ce51a8f907 b036994	no	22				
Warnings:									
Information:									
4	Fee Worksheet (PTO-06)	fee-info.pdf	8228 7fc5d226cf7bedf5a97f29863f6b9c5e47 c54cf9	no	2				
Total Files Size (in bytes):					1336113				

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.